



## DukeHealth AFFILIATE

### 2018 Annual Report

#### Message from Leadership

Scotland Cancer Treatment Center continued to be busy throughout 2018 with many new quality projects to meet our accreditation criteria for the American College of Surgeons. There has been a lot of hard work from our multidisciplinary cancer committee, our community advocates, and all of our staff and leadership. We are proud to share the accomplishment!

The Radiation Oncology department underwent upgrades to our linear accelerator with upgrades that allowed us to perform SBRT (Stereotactic Body Radiation Therapy). In addition, we installed a new Wide-bore CT Simulator capable of 4D CT imaging, right in our own Cancer Center, which will make radiation treatment planning even more convenient for our patients. This exemplifies *Closer Care, Better by Far*.

Every year, our Cancer Committee designates two goals (clinical and programmatic), striving to consistently improve quality processes and patient care at the Scotland Cancer Treatment Center. Our clinical goal for 2018 was a Dedicated Opioid Prescription Process. By implementing this process, we have improved patient safety related to opioid refills, ensured patient education related to opioids, and addressed compliance related to the national opioid epidemic. Our programmatic goal for 2018 was Health Literacy which will continue into 2019 to ensure that our patient education handouts meet the Health Literacy needs of our patient demographics. We completed two studies: No Call No Show patient appointments improved from 22% to below 10% with actions learned from the study. Another ongoing study is related to cancer patients who present to the Emergency Department(ED) visit within 30 days of receiving chemotherapy treatment. We have implemented standard schedules for chemotherapy nurse follow-up with new start chemotherapy patients and follow up three weeks into treatment. We also implemented a sick clinic and phone triage to help manage sick patients by scheduling them to see the oncologist and decrease ED visits.


We are proud to sponsor a number of community outreach prevention and screening programs every year, and 2018 was no exception. Please see our attached 2018 Community Outreach Summary (Standard: 1.8, 4.1, 4.2). We thank all the participants who continue to make these programs a success!

Scotland Health Care System  
Community Outreach Coordinator Annual Report 2018  
Standard 1.8

Screening Programs – Standard 4.2

Program/ Community Need Addressed	Activities	Date Held	# of participants	Summary of Effectiveness
<p><b>Campbell Soup – Business and Industry Nurse</b></p> <p>Colon Cancer Awareness Month.</p>	<p>There are over 1000 employees employed with 800 of those full-time staff at the 1.8-million-square-foot facility.</p> <ol style="list-style-type: none"> <li>1. Business and Industry Nurse conducted a questionnaire to determine eligible candidates for a colonoscopy.</li> <li>2. Educational information was provided including handouts regarding colon cancer and screening.</li> <li>3. Hemoccult cards were given out to individuals willing to provide a stool sample for screening of blood.</li> </ol>	<p>3/15/18</p>	<p>~300</p>	<p>An estimated 300 employees visited the table represented by Scotland Cancer Treatment Center. Educational handouts, brochures, and flyers were given to employees who would stop and talk with us. Those willing to complete the survey for colonoscopy were:</p> <ol style="list-style-type: none"> <li>1. 72 people agreed to complete the screening tool.</li> <li>2. 41 people met the criteria of being 50 or older and 31 were under the age of 50.</li> <li>3. Out of the 41 eligible for screening 10 signed up to be contacted and scheduled for colonoscopy.</li> <li>4. Received 8 hemoccult cards back out of 50 given and no positive results identified.</li> </ol>
<p><b>Annual Men’s Health Event</b></p>	<ol style="list-style-type: none"> <li>1. Evening of men learning about staying healthy in the summer, screening guidelines and open panel discussion.</li> <li>2. Free Health Screenings included A1c, Blood Pressure, Cholesterol and PSAs</li> <li>3. Dr. Harris (Family) and Dr. Klotz (oncologist) were the guest speakers and panel for discussions</li> </ol>	<p>6/26/18</p>	<p>55</p>	<ol style="list-style-type: none"> <li>1. 34 out of 55 men participated in the health screenings</li> <li>2. 31 out of the 34 (91%) received PSA screenings.</li> <li>3. 4 out of the 31 PSA were abnormal – results reported to patient and their PCP/urologist.</li> <li>4. 0 Biopsy in our healthcare system</li> </ol>

Prevention Programs – Standard 4.1

Program/ Community Need Addressed	Activities	Date Held	# of participants	Summary of Effectiveness																																
<p align="center"><b>Colon Cancer Awareness Event "No If, Ands or Butts" Colon Event</b></p>	<p>On campus educational evening event focusing on the Fears, Facts and Findings related to colonoscopy.</p> <ol style="list-style-type: none"> <li>5000 flyers distributed throughout our community through local churches.</li> <li>Staff attend the local radio station to discuss and educate the community on colon cancer, screening and discussed fears related to getting a colonoscopy.</li> <li>Newspaper and social media published about the event including the facts. The flyer also included statistics and facts about colonoscopies and colon cancer.</li> <li>Displays were placed in surgeons offices (Scotland Surgical and Marlboro Surgical) with information regarding statistics and facts to promote individuals to talk with their doctors about screenings.</li> <li>Walk-thru inflatable colon was loaned by a drug company and a surgeon was stationed inside the colon to answer questions as people were entering the event.</li> <li>Surgeon (who performs colonoscopies), Oncologist and a PA were the speakers talking about the Fears of having a colonoscopy, the Findings and what happens next and the Facts related to colon cancer.</li> <li>Dietician set up a table promoting healthy foods related to high fiber.</li> <li>Staff from both surgeon's office present to schedule colonoscopies.</li> </ol>	<p>3/29/18</p>	<p>6 Attendees</p> <p>5 were compliant with colon screening</p> <p>1 had it scheduled for the next week.</p>	<p>The event was held on Thursday before Easter Holiday weekend due to the availability of the inflatable colon which we feel may have contributed to the low attendance.</p> <p>With that being said, there was a noted 14% increase in colonoscopies performed in the following 2 months after the huge marketing and educational campaign throughout the community compared to the previous time frame of 2017.</p> <p align="center"><b>Scotland Surgical Summary Scopes by Location:</b></p> <table border="1" data-bbox="1199 565 1900 764"> <thead> <tr> <th>Month</th> <th>SCOTLAND ENDOSCOPY CENTER</th> <th>SCOTLAND OUTPATIENT</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>April 2017</td> <td align="center">27</td> <td align="center">122</td> <td align="center">149</td> </tr> <tr> <td>May 2017</td> <td align="center">39</td> <td align="center">148</td> <td align="center">187</td> </tr> <tr> <td></td> <td></td> <td align="center">TOTAL</td> <td align="center">336</td> </tr> </tbody> </table> <p align="center"><b>Scotland Surgical Summary Scopes by Location</b></p> <table border="1" data-bbox="1199 821 1900 1021"> <thead> <tr> <th>Month</th> <th>SCOTLAND ENDOSCOPY CENTER</th> <th>SCOTLAND OUTPATIENT</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>April 2018</td> <td align="center">42</td> <td align="center">156</td> <td align="center">198</td> </tr> <tr> <td>May 2018</td> <td align="center">35</td> <td align="center">150</td> <td align="center">185</td> </tr> <tr> <td></td> <td></td> <td align="center">TOTAL</td> <td align="center">383</td> </tr> </tbody> </table> <p align="right">  </p>	Month	SCOTLAND ENDOSCOPY CENTER	SCOTLAND OUTPATIENT	TOTAL	April 2017	27	122	149	May 2017	39	148	187			TOTAL	336	Month	SCOTLAND ENDOSCOPY CENTER	SCOTLAND OUTPATIENT	TOTAL	April 2018	42	156	198	May 2018	35	150	185			TOTAL	383
Month	SCOTLAND ENDOSCOPY CENTER	SCOTLAND OUTPATIENT	TOTAL																																	
April 2017	27	122	149																																	
May 2017	39	148	187																																	
		TOTAL	336																																	
Month	SCOTLAND ENDOSCOPY CENTER	SCOTLAND OUTPATIENT	TOTAL																																	
April 2018	42	156	198																																	
May 2018	35	150	185																																	
		TOTAL	383																																	

Prevention Programs – Standard 4.1 continued

Program/ Community Need Addressed	Activities	Date Held	# of participants	Summary of Effectiveness
<p style="text-align: center;"><b>Smoking Cessation</b></p> <p><b>Lung Cancer is the #1 cause of cancer death and smoking is #1 cause of lung cancer</b></p>	<ol style="list-style-type: none"> <li>1. Multiple community screenings (Campbell Soup Health Fair, and Pembroke Day) with the focus of identify current smokers to educate them on resources available for cessation.</li> <li>2. For the months of Nov and Dec, cancer center patients are being identified as current smokers at check in and nurses are offering smoking cessation education and resources available for Scotland's Stop Tobacco Classes available and NC Quit Line resources.</li> <li>3. Hospital has identified the need to develop a robust Community Health program and has currently implemented 2 new positions for outreach (Director and Educator).</li> </ol> <p>The new educator will become a Certified Tobacco Cessation Coach in first quarter of 2019</p>	<p>10/4/18: Pembroke Day 10/16/18: Campbell Soup Health Fair</p> <p>Nov 1<sup>st</sup> thru Dec 31<sup>st</sup> 2018</p> <p>Both positions filled by 10/2018</p>	<p>~75 people stopped at the table at Pembroke Day</p> <p>~300 Attendees stopped in the health fair</p> <p># of smokers that are identified at registration at the Cancer Center is TBD</p>	<ol style="list-style-type: none"> <li>1. Out of the total people screened for the active use of tobacco – 12 people agreed that they wanted to attend a Stop Tobacco Class that is held at the Cancer Center for 6 weeks by our Certified Tobacco Cessation Coach. All 12 people were contacted by the Community Health Educator and 8 signed up for the class. The class began on Nov 1<sup>st</sup> and 3 people started the session. The class is ongoing at this time. Follow-up continues with those that did not attend and are being offered the next class session which begins on Jan 3<sup>rd</sup> 2019. 7 people met the Low Dose CT Screening criteria, but only 5 agreed to have information sent to their PCP.</li> <li>2. There have been 19 Cancer Center patients identified as current smokers and have been given educational material on their visit to the center as of 11/12/18.</li> <li>3. Community Health Director has plans to build a Community Health based Advisory Board to assist in identifying community needs and implement outreach strategies that best meet the needs of our community/population.</li> <li>4. 541 patients were seen in the cancer center in November &amp; December</li> <li>5. 48 (11%) were tobacco users and each received smoking cessation education by the nurse to include smoking cessation classes.</li> <li>6. 3 active smokers (6%) signed up and attending cessation classes.</li> </ol>

## Other Community Outreach

Event	Description	Date Held	# attending	Location
<b>Breast Cancer Awareness Walk</b>	Walk promoting breast cancer awareness. ~100 participants, 34 survivors in attendance. Imaging department set up a table with the Mammography Tech and Breast Health Navigator talking about mammography and spoke to ladies about new equipment and screenings.	10/02/18	115	Scotland Memorial Hospital Campus, Laurinburg, NC
<b>Relay for Life</b>	Walk for cancer awareness, education, research and fundraising. Mission for Relay Event related to the need for transportation – ACS Road to Recovery program in Scotland County	9/8/18	~1000	Scotland High School, Laurinburg, NC
<b>Lighting Ceremony for Lung Cancer Patients</b>	Candle lighting ceremony honoring lung cancer survivors.	11/13/18	TBD	Dulin Center, Laurinburg, NC
<b>Susan G Komen Race for the Cure</b>	Komen grant supported Scotland hiring a radiation tech for the Breast Health Navigator position. Both the Breast Health Navigator and the Cancer Center Navigator participated in the Race for the Cure event with an information table set up regarding breast health and mammography.	5/5/18	~1000	Raleigh Triangle Race for Cure
<b>Laurinburg Exchange weekly breast cancer article</b>	Each Friday in Oct the local paper interviewed a breast cancer survivor and highlighted their stories along with breast cancer statistics/facts and mammography/screening.	Oct 2018	~30,000	Katelin Gandee, Laurinburg Exchange Newspaper
<b>Breast Cancer Awareness: High School Home Coming Football game</b>	2 school systems ladies (breast cancer survivors) were recognized and honorary team captains for the football game. The jumbotron played a video about getting your mammogram and there were announcements about breast cancer facts throughout the night. The football team and the marching band wore pink socks in honor of breast cancer awareness.	10/25/18	~1000	Pate Stadium
<b>Circle of Hope Women's Support Group</b>	Breast Health Education, Mammography and Breast Health Navigator Role	9/28/18	20	Leslie Herndon, Breast Health Navigator Dulin Center
<b>Alpha Delta Women's Group</b>	Breast Health Education, Mammography and Breast Health Navigator Role. A group member approached navigator asking for assistance for a friend with an abnormal mammogram whom had not pursued an abnormal mammogram due to lack of insurance. Navigator was contacted by patient, navigator called PCP and assisted to get biopsy performed. Referred to Patient Account Rep for financial assistance. Biopsy was negative.	10/10/18	22	Trinity Presbyterian Church

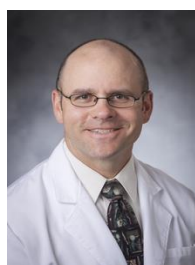


## Other Community Outreach

<p><b>Women's Health Event</b> <i>Learn, Laugh, Love</i></p>	<p>An educational, all-day, fun-filled, event beginning with health screenings and a healthy breakfast. Throughout the day participants participated in breakout sessions, visited with exhibitors, enjoyed a keynote address, and left that day with an abundance of health information.</p> <p>Dr. Ernest Helms, Radiation Oncologist, and Dr. Stephen Lanuti, General Surgeon lead an open group discussion titled "Everything you want to know about Breast Health". The discussion was lead by the women's questions as the powerpoint slides discussed topics. Focusing on new technology of our 3D mammography, to detecting breast cancer to surgical options and cancer treatment after diagnosis.</p>	<p>02/03/18</p>	<p>&gt;200</p>	<p>First United Methodist Church, Laurinburg, NC</p>
<p><b>Cancer Survivors Day Celebration</b></p>	<p>A beach-themed dinner and staff entertainment was a fun-filled night for all cancer survivors and a guest celebrating survivorship.</p>	<p>5/18/18</p>	<p>~75</p>	<p>Laurinburg Presbyterian Church</p>

Accomplishments this year include:

1. We are very excited to announce that Samantha Cox earned her nationally recognized CTR credentials (Certified Tumor Registrar) which demonstrates a requisite knowledge and professional competence needed with the cancer registry.
2. ALL nurses earned their Oncology Nursing Society Chemotherapy/Biotherapy Certification.
3. 2 nurses hold National Oncology Certified Nurse credentials (OCN) and we have 3 more that will test within the next 6 months.
4. 20% Reduction- wait time in chemo suite
5. 30% Reduction- wait time in clinic
6. 66% improvement for rescheduling patients
7. Projected 5000 Medical Oncology visits 2018
8. Projected 3000 Radiation Oncology treatments 2018
9. Over 800 new patients served
10. Increased Tumor Board meetings to every 2 weeks (previously once per month) where cases are presented with Surgeons, Medical Oncology, and Radiation Oncology present
11. Implemented a Sick Clinic for chemotherapy patients so they do not have to go to the Emergency Room related to side effects of medication.
12. Opioid Refill clinic for Pain Management – this uses the national data bank to monitor pain management usage with a nurse performing an assessment on the patient if not seeing the MD that day.
13. Scotland County School System Tobacco-free Initiative – on-going project working with the School Nurses to reduce usage of tobacco with students utilizing 2 programs nationally recognized programs: CATCH and YES
14. We are excited to have two Duke medical oncology fellows (Dr. Andrea Sitlinger and Dr. Jacob Kaufman) that currently see their Oncology continuity clinic with Dr. Klotz and Dr. Altomare weekly. The fellows are the primary physicians responsible for the care of their cancer patients. Their presence augments the academic and teaching environment at Scotland Cancer Treatment Center. Additionally, it exposes fellows from a tertiary academic cancer center to the challenges and satisfactions associated with providing high quality care in a community cancer environment.
15. We expect to have 11 patients enrolled in Duke Clinical Trials by year end and are continue to be committed to cutting-edge cancer research, as active research is the only way to improve cancer treatment outcomes. We would like to thank our research nurse, Amy Robertson, as well as the support we receive from the research team at the Duke Cancer Network, and of course all the patients and their families who support clinical trials.
16. Scotland received a Susan G. Komen grant for a Breast Health Navigator which started in April 2018. This dedicated person is responsible for the following: Follow-up on abnormal mammograms, no call no show mammogram appointments, scheduling additional imaging views and going with patient to surgeon's office for discussion and scheduling of diagnostic procedure. Every single procedure the patient is accompanied by the Breast Health Navigator during the diagnostic process. As well as follow-through of patient's pathology results with a hand-off as indicated to the Cancer Navigator.



We look forward to the challenges and changes that each year brings, and continue to work to deliver the very best cancer treatment available in a caring environment that is close to home for our patients.

Jeffrey Klotz, MD, Cancer Committee Chair  
Medical Director, Scotland Cancer Treatment Center  
Duke Cancer Network